# MINES, MINING, LOCAL STOCKS AND COPPER

# Metal Situation Looks Better With Assurance Of Loan Going Through Big Company Operating on Porphyries Pays Good Interest

Local Producing Conditions Are Excellent From Every Standpoint -All of Local Companies Going Ahead at Rapid Pace in Production and Development; Interest Attaches to Arizona Gold Mines Throughout the Warren District.

Adjustment of the Foreign Exchange Problem Which Is Assured Now Within at Least, a Few Weeks Will Bring Surcease of Non-Activity in the Metal Buying Market: Producers Feel Future Will Bring Great Prices.

With local producing conditions excellent and those of other parts of the sidered about the usual return on copper producing United States in a like condition, outside of the Clifton, these high-class copper shares. The Morency Districts where three producing companies have closed their plants pany to date amount to \$3,814, \$98, pending a readjustment of labor conditions, and tife metal market promising including the last quarterly dividend better things for the future, the outlook is indeed bright for the Warren Dis. Which is payable on September 10

Copper metal, for some weeks past, has been hanging in the balance quarter equivalent to 14,524,389 pounds price around eighteen cents. During the past week it has been quoted at which was the production for the se sighteen but the sales made have, no doubt, been similed a trifle. This would with copper at 18 cours per pound, not so to mean that any considerable stocks have been turned for that price taking the cost of production at 9.123 for the majority of the larger consumers are either contracted ahead or hold cents per pound as in the previous ing their outputs for a better price, which is certain to materialize when the at the rate of \$5,151,504 per annual, domestic and foreign consuming situations return to normal.

The foneign situation is, perhaps, the most sensational at the present share per annum. time and easily charged to the premium that Europe must pay for copper, quite conclusive that Ray Consolidatowing to the debarement of foreign exchange. The papers, for the past ed is earning more than double tia week, have been announcing success of the Anglo-French financial commis- dividend requirements and there does sion's mission in the United States. Most of the copper producers will be not seem to be any plausible reason why the dividend rate should not be among the greatest industrial sources to profit by a readjustment of this increased or, at least, an extra dividcondition between Europe and the United States. As it appears, at the pres- end of from 25 to 50 cents per share ent time, the loan will be made and when it is copper will, undoubtedly, re- declared, as, deducting this amount, sume its flow, in large quantities, from the United States to Europe.

The business world of the United States, and particularly that end of | The Ray Consolidated Copper Comthe business world which is looking to the future has eliminated all senti- pany during the second quarter of the ment in the economic consideration of the Allies loan. Even the clearer average price of 18,635 cents a pound, thinking Pro-German business people realize that a good customer deserves which was in excess of all other concredit and that when one nation extends credit to another or to a group of panies but the Magma Copper Compaothers the creditor nation becomes that much stronger in the world's finance. The price obtained by both these com-

The question of munitions has been a stumbling block in the negotiations panies was in excess of existing quofor the loan. Copper is used extensively in the manufacture of munitions. The rate of production for It is hardly possible, however, that the commission will insist that France the third quarter has now been in an office in Phoenix, with a local mine of the flutte & Superior commany. Lifably versus. The shoot trends north and England be allowed to expend her credit on shells and ammunition. This solidated Copper Company should is not what the copper producers are demanding either. All business men and therefore be maintained despite the the manufacturers of munitions of war want a readjustment of the exchange lower price for copper metal.

appearance indicate that there is going to be some very heavy buying of 1.454,929 shares of a par value of \$10 17 cents in August, the rate of

"Industrial activity throughout the United States can mean nothing less neighborhood of 35 per cent on its. The Anaconda company alone paid than a heavy consumption of copper, although we have not experienced much original capitalisation. buying over the last two months. There will be no need to curtail output.

"The upward tendency of copper prices abroad within the last week would seem to foreshadow that a good buying movement is not very far off."

#### LOCAL DEVELOPMENT.

trict mines there is little fear of anything but good times, ahead, for months, al Academy of Sciences, the results Butte pay out a total of \$2,600,000 in Each and every one of the companies is forging ahead in its production of one and is keeping far ahead in creating ore reserves.

SHATTUCK DEVELOPMENT.

Al Academy of Sciences, the results of some studies on the nitrogen problem and seeping far ahead in creating ore reserves.

SHATTUCK DEVELOPMENT.

Al Academy of Sciences, the results wages each month. The mining companies have been guardually increasing their output of California. He finds that one of the copper but the total is still far from the feeble picture.

Pur the month of August the report of the Shattuck development in chief difficulties is the feeble nitrify what it was a few years ago. The cludes some very interesting figures, showing the breadth of that company's ing of the soil. On truly arid soils it Ananconda company's official report operations and the continued finding of rich copper on their property.

Cross-cut No. 4 on the 200 foot level has advanced 39 feet through a while others cannot be. good grade of copper ore and will be continued to explore the ore zone. Professor Lipman is therefore led this year, and that includes the outgood grade of copper ore and will be continued to explore the ore zone.

Crosscut No. 17 on the 300 fout level advanced 23 feet in silicious copper ore tion and maintenance of a good supply nearly 1,800,000 pounds, and some Charles F. Willis, head of the State milliod. "The improvement in the recommendation of the improvem running 7 copper. Raise No. 147 on the 700 foot level advanced 10 feet of organic matter by green manuring other custom product. through ore running 8% copper. Cross-cut No. 13 on the 800 foot level is in or by the use of barnyard manure. During the other months of the services, and whose sole size to was brought about largely through from having to spend thousands of dol-20 fact of sulphide copper ore. Raise No. 140 on the 800 in 12 feet of copper in usi be projected on all soils deficient present year the Anaconda company benefit the industry, cannot send out the greater efficiency of the new ma- tars for equipment before they could in nitrogen and organic matter. 2. reported production as follows: Jan. a lot of names and addresses of own- chines," said Manager J. L. Brace. got started on their work. The Pioneaside running 6% copper Winze No. 19 on the 800 foot level runs 14% lead. Nitragenous fertilizers when employ many 13,700,000 pounds, February ers of properties, as they have no au. "The adjustments are better in the cer, of course, derives mutual benefit, Raise No. 151 on the 600 foot level is expected to encounter lead one within ed on such soils must be either of the 15,100,000 pounds. March 19,000,000 thentic data regarding them. 20 fest, which are body is being stoped from, on the 500 foot level from cross- low grade organic variety such as pounds, April 21,800,000 pounds, if the inquiries of purchasers were are showing what improvements have site dyke cross-cut free of cost to cut No. 52.

From these figures it is readily seen that the Shattuck holds well with of ammonia must be used. It The in August of last year the output was edge of their merits, the buyers would bedy of copper glance has been found will give the Ploneer mine the ventiall expectations as mining and development work continue. Shipments con- overheating of the soil, excessive but 14,750,000 pourds, and in 1912 it soon learn not to bother with these in the Black Rock mine. Mr. Bruce lation it is so badly in need of. Furth-

#### COPPER QUEEN.

The now equipment in the Uncle Sam division of the company has ar. of siraw or manure mulch. rived and has now been placed. It consists of a new steel head frame and most important measures for present Oriu, Davis-Daly, Butte-Ballaklava, able to recommend to prospective pur will be run into in certain parts of a double drum electric holst. So far the mine has not been operated as these and future soil management in Call Pilot-Butte and Tuolemne. needed have been obtainable from other mines of the company. A drift will fornia orchards and vineyards, when About the only development com- marks of promise and which are that our sinc ores are giving way to Fifteen Stamps, one Chilean mill. be started, shortly, from the 400 foot level of the Czar, to the Uncle Sam, be started, shortly, from the 400 foot level of the Czar, to the Uncle Sam, ficient.

| Initiogen and organic matter are despany operating in Butte at present worthy of investigation by these prospective buyers. By some discrimination in the districts where we are and four grading pans at the Eldolis the Rainbow, a Cole company, pective buyers. By some discrimination in the districts where we are and four grading pans at the Eldolis the Rainbow, a Cole company, pective buyers. 1606 feet long. There is every indication that the drift will tap the ore pody of the Uncle Bans.

Work on the lead ares of the Southwest has been progressing and the Work on the lead ares of the Southwest has been progressing and the lead ares of the Southwest has been progressing and the lead ares of the Southwest has been progressing and the lead are holding three stages coat a total of \$1.18 per

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## RAY CON. HAS GREAT RECORD SO FAR IN THE PRESENT YEAR

phyries Pays Good Interest Rate and Offers Promise of Better Things in Future.

The directors of the Ray Consolidated Copper Company have declared the usual quarterly dividend of 37% ents per share, which is at the rate of \$1.50 per share per annum, payable. September 30 to stockholders of record September 18.

At the present market price of around \$22 per share, Ray Consolidated gives the investor a net return of 6.70 per cent per share, whic his con-1915, amounting to \$547,035. Assumwhich is at the rate of over \$3.50 per

there would be carried over to the reserve fund.

present year sold its product at an

production. Ray is earning in the copper.

#### ANNOUNCES SOIL STUDY.

Judging from the development now being carried on in the Warren Dis- University of California, announces mated that the mining companies forms of nitrogen may be nitrified, put to have been 22.800.000 pounds,

#### FRENCH ANSWER GERMAN POISON GAS WITH LIQUID FIRE

The ailies have determined to turn upon their foce with all the new nothods of warfare which are being employed by the latter. After hundreds of women and children had been killed and wounded by Zeppelins n England the English and French began attacking German towns from the air and killing non-combatants Then came the German poison gas attacks. The allies have not yet used poison gas on the Germans but are expected to soon. Last winter the Germana began using liquid fire on the French trenches. The French answer is seen in the picture, which shows a close view of French liquid fire apparatus sending thick columns of flame across the enemy trenches.

### HUGE SUM IN WAGES PAID TO MINERS OF BUTTE, MONTANA, NOW

July Was the Largest Month in the History of Butte, as Far as Wages Are Concerned: 13,000 Men Employed There.

the payrolls last month aggregated bring together the buyers and sellers

The Ray Consolidated Copper ComThe Bay Consolidated Copper Comeach, so that, at its present rate of wages being based on the price of

out \$1,189,000 for wages in August. The Butte & Superior paid out \$170,-000, which was about \$5000 less than in July, and the North Butte paid 392,000, the East Butte \$90,000, the BOSTON, Sept. 25. - Charles B. Lip Butte Ballaklava \$15,000 and the man of the College of Agriculture, Clark properties \$60,000. It is estithrough the proceedings of the Nations and other employers of labor in

often happens, however, that some of August production shows the outthe largest production of any month

In the Butte & London last week.

# SHORT CLOSE DOWN

By CHARLES F. WILLIS

Then the Arizona Chapter of the American Mining Congress maintains creased and surnings of the Ray Con- wages in August about \$350,000 less branch in Globe and Tucson. One of was closed for four days last week to practically parallels the large ore than they did in July, nevertheless the main objects of these offices is to permit of some needed repairs and the shoot of the Plancer mine. As the With its present dividend rate on problem. When Europe has to pay a premium of 6% or 7%, besides a war price, for her minitions, she is going to buy as little as possible, even in this consolidated shares, it shows a fair sturn on the investment. The stock, however, has an additional speculative of a large copper agency says the establishment of a large corper agency says the establishment of a large scale as soon as Europe and the United States reach an resumed on a large scale as soon as Europe and the United States reach an construction of the war loan.

With its present dividend rate on \$1,700,000.

July was be biggest month in the State mines also takes care put of the company. It had been more the lamber spected out the payment of a great deal of this work. But the payment of a great deal of this work although the output of copper and the probability of an extra dividend being declared at any time, in view of the increased earning some previous inguing and the possibility of higher prices for copper.

The Ray Consolidated Copper Company is the present dividend rate on \$1,700,000.

With its present dividend rate on \$1,700,000.

State Bureau of Mines also takes care put of the company. It had been more the payment of the system of the payment of the system of a great deal of this work. But the payment of the payment of a great deal of this work. But the payment of the system of of the syst mining property and to allimitate



Bureau of Mines.

steamed bone meal, cotton seed meal, May 20,500,000 pounds. June 22,100, merely answered by the sending of a been made recently." and sewage sludge, or else sulphate 000 pounds, July 22,100,000 pounds, long list of properties with no knowl- In regard to the report that a large gut and the Arizona-Toni Reed shaft evaporation of moisture, the exida- was 22,500,000 in 1912, 25,250,000 agencies as they would secure a large said: "There is no truth in that re- ermore, it gives these two mines a tion of organic matter should be prepounds.

quantity of chaff with the wheat, and port. Such reports have been circuyented through the use of some kind. The copper producing companies the trouble of separating this chaff lated from time to time, but there is working, giving two shafts to the surquantity of chaff with the wheat, and port. Such reports have been circu- safety pasurance for all underground of straw or manure mulch.

This is to be regarded as one of the East Butte. Butte Alex Scott. Ein: the desire of these local agencies to be in a white a body of copper glance mines. chasers properties which have the car the mine, but there is no evidence is the Rainbow, a Cole company, pective buyers. By some discrimina mining." which is engaged in developing the tion on the part of the local offices. The same is true about reports that reduced 57,072 tone in the year ended Failing Water is an active resource. Rainbow and Butte & London prop. they will soon get a good reputation an unusual strike of sine ore had been March 31. The duty was 5.25 and

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Ore Production of Butte and Su- shafts and now has expende over 200 perior Will Show Decrease for Days Close Down of Shaft.

suspension will probably show a des richest shoots of ore under ground in

In August the company broke all from which Mr. Mover and associates records for production, the company purchased the Trio and Lilah mines using all means to produce spelter to Several thousands of dollars of high meet the big demand. With the re- grade ore came out of this shaft and pairs just completed the company on the surface leases on the north cud. will make another long run.

month was about 14,500,000 pounds or the cold out of the rich adularla. nearly 1,000,000 pounds in excess of stringers and made gold slugs right any previous month. This hig output on the ground. This high grade was made in spite of the fact that the shoot of ore on the north and of the teamage of approximately 45,000 tons Pioneer dips and trends into the Trio of ore mined and milled was not up mine and unquestionably the continuto the July tonnage.

ainc was brought about largely by the high grade ore shoot entering into the increased efficiency in securing De Arizona-Tom Read mines. aults from the new machines in the Mr. Moser has full equipment at There was also some improvement at the Litah ore shoot is struck, in the grade of the ore mined and Mr. Moser, arranging with the Pioneer

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Work on the 400 Foot Level of the Lilah Claim's Ore Shoot Uncovers a Great Body of Ore for Development.

#### OATMAN DEVELOPMENT PROGRESSES RAPIDLY

The Old Trio Shaft of the Property Is Being Opened and Work Will Be Prosecuted on the Property.

GATMAN, Sept. 25. Prouldent and General Manager Geo. F. Moser aunaunces that a full crew of men is now at work on cross-cut of the Pioneer No. I shaft on the 400 foot level Arizona-Tom Reed.

From a careful survey it is earlbe reached invide of 250 feet, unless the vein should change in its dlp, but in no event, will it exceed 300 feet. As feet ventilation to both the Pioneer Present Month Owing to Few hancing wall side of the green ching itie andesite dyke; and shout connec-

of the Plotteer mine in the earlier The production of spelter last days of its history actually parced since of a driff from the 400 foot level The increase in the production of at the Pioneer mine will prove this

oil flotation plant. The recoveries work, 500 ontile fit compressor, air averaged 93 per cent, while the grade drifts, heisting plant, blacksmith of concentrates was 50, per cent shops of the Pioneer being used for against 51 per cent in former months, the cross-cut on the 400 foot level un-

coveries and grade or concentrates ment saved the Arizona-Tom Reed flotation plant now and the results as they are having their entire ande-

rade Banket gold mine, in Rhodesia,